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EUROPEAN PATENT APPLICATION

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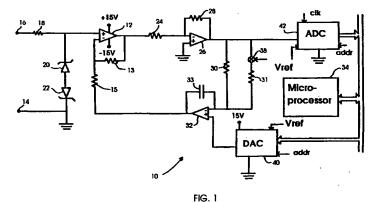
(51) Int. Cl.⁶: **A61N 1/39**

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(54) Method and apparatus for phase related cardiac defibrillation

(57) An implantable cardioverter/defibrillator and method for its use are disclosed. A sensing electrode (14, 16) provides an ECG signal to the defibrillator, this signal is amplified (12, 26) and evaluated for the presence of a tachyarrhythmia. The phase of the ECG signal is sensed during a detected fibrillation or tachycardia and this determines the phase of the stimulating output

signals. The ECG may be continously sensed during the application of the defibrillating output and each output is held constant until a threshold crossing of the ECG is detected, whereupon the defibrillating output is changed





PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 94 11 2555 shall be considered, for the purposes of subsequent proceedings, as the European search report

Cata		IDERED TO BE RELEVAN indication, where appropriate,	Relevant	CI ASSISTANTION OF THE
Category	of relevant p	szzses	to claim	CLASSIFICATION OF THE APPLICATION (Int.CL6)
A	US 4 998 531 A (CA	RDIAC PACEMAKERS, INC.)	1-7, 12-14, 17-21	A61N1/39
	* the whole documen	nt *	1,-21	
A	US 4 967 747 A (VEI	NTRITEX, INC.)	1,2,5-7, 9,10,13, 14,16, 20,21	
	* the whole documen	nt *	20,21	
A,P	EP 0 589 251 A (CAI	RDIAC PACEMAKERS, INC.)	1,3,7,8, 13,15, 18-20	
	* column 4, line 5	- column 9, line 30 *	16-20	
				TECHNICAL FIELDS SEARCHED (Int.Cl.6)
				A61N
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The Search the provisions a mea	1005 of the European Patent Convent	European patent application does not complion to such an extent that it is not possible to to the basis of some of the claims.	y with to carry	
Claims sea	urched incompletely:			
Claims no	t searched :			
Reason for	r the limitation of the search:			
see	sheet C .			
	Place of search THE HAGUE	Date of completion of the nearch 3 April 1997	lem	Examples ercier, D
X : parti Y : parti docu	CATEGORY OF CITED DOCUME cularly relevant if taken alone cularly relevant if combined with an ment of the same category nological background	NTS T: theory or princip E: earlier patent do	ole underlying the current, but publi late in the application for other reasons	invention shed on, or
76 . 1000	written disclosure			



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EP 94 11 2555 - C -

INCOMPLETE SEARCH

The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims.

Claims searched completely:

1-21

22-27

Claims searched incompletely:

Claims not searched:

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Reason for the limitation of the search: Method for treatment of the human or animal body by surgery or therapy (see Art. 52(4) of the European Patent Convention).

EPO Form

Supplementary Sheet C (1996)

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